

Jed Eberly, Ph.D., is a Research Microbiologist in the Environmental Laboratory at the USACE Engineer Research and Development Center (ERDC). He is the principle investigator for multiple projects in the ERDC Environmental Quality and Installations (EQ/I) program. His areas of study include synthetic microbial circuits for analyzing signal transmission in feed forward loops and aptamers for detection of insensitive munitions. He is lead PI for a project focused on improving early detection of harmful algal blooms (HABs) and HAB toxin release. In conjunction with this work he supports multiple USACE Corps districts by assisting with developing plans for mitigating HABs.



His most recent area of study is in assessing the environmental impacts of synthetic biology. His education includes a B.S. in biology from Montana State University and a PhD in Biological and Ecological Engineering from Oregon State University.